



# Safety Data Sheet: Soil-Loc

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GRT Safety Data Sheet

Version: 2.0

Date /Revised: 30/10/2019

Product: **Soil-Loc**

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## 1. Substance/preparation and manufacturer/supplier identification

### **GRT Soil-Loc**

Uses: Stockpile crusting agent and dust suppressant

### **Manufacturer/supplier**

Global Road Technology Holdings Pty Ltd (ACN: 169 947 139)

4 Activity Court

YATALA QLD 4207

AUSTRALIA

Telephone: +61 5667 8550

Website: [www.globalroadtechnology.com](http://www.globalroadtechnology.com)

### **Emergency Information**

Poison Information Centre (Australia): 131 126

National Poisons Centre (New Zealand): 0800 POISON (0800 764 766)

Global Road Technology Inquiry Number: +61 5667 8550

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## 2. Hazard Identification

HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD

This product is approved under the Hazardous Substances and New Organisms Act (HSR002544, Construction Products (subsidiary hazard) Group Standard 2006).

**Labelling according to GHS implementation:**



**HSNO Classification:**

6.3A Causes skin irritation

6.4A Causes eye irritation

**Label elements and precautionary statement**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water and soap.

## 3. Composition/information on Ingredients

**Chemical nature**

Copolymer based on acrylic acid:

Content (W/W): = 30 – 50%

Mineral Oil:

Content (W/W): 30 – 50%

Water:

Content (W/W): ≤ 25%

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## 4. First-Aid Measures

**General advice**

Immediately remove contaminated clothing.

**If inhaled**

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

**On skin contact**

Wash thoroughly with soap and water. If irritation develops, seek medical attention

**On contact with eyes**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open. Consult an eye specialist.

**On ingestion**

Rinse mouth immediately and then drink plenty of water. Seek medical attention.

**Note to physician**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Suitable extinguishing media

Dry powder, foam, water spray

### Unsuitable extinguishing media for safety reasons:

Water jet

### Additional information

If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

### Specific hazards

Harmful vapours, nitrous gases, carbon oxides. The substances/groups of substances mentioned can be released in case of fire. Spilled product is slippery underfoot. Very slippery when wet.

### Special protective equipment

Wear a self-contained breathing apparatus.

### Further information

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations

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## 6. Accidental Release Measures

### Personal precautions

Use personal protective equipment (PPE). Breathing protection required.

### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods for cleaning up or taking up

For large amounts: Pump off product.

For residues: Pick up with absorbent material. Dispose of absorbed material in accordance with regulations. Use common salt (sodium chloride) to aid removal of residues

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## 7. Handling and Storage

### Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Take precautionary measures against static discharges.

### Storage

Further information on storage conditions: Freezing will affect the physical condition but will not damage the materials. Thaw and mix before use Store in unopened original containers in a cool and dry place. Avoid wet, damp or humid conditions, temperature extremes and ignition sources.

### Storage Stability:

Avoid extreme heat. If frozen, thaw out slowly and stir well before use.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

Distillates (petroleum), mineral oil

TWA value 5 mg/m<sup>3</sup> (OEL (AU)), Mist

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:

Chemical resistant protective globes. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time according to EN 374); e.g. nitrile rubber (0.4mm).

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

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## 9. Physical and Chemical Properties

Form:	Liquid
Colour:	Off-white
Odour:	Mineral oil-like
pH Value:	3.9-4.4 (1 % (m), 25°C)
Boiling point:	> 100°C
Flash Point:	101°C
Self-ignition:	Not self-igniting
Explosion hazard:	Not explosive
Fire promoting properties:	Not fire propagating
Density:	Approx. 1.1 g/cm <sup>3</sup> (20°C)
Solubility in water:	dispersible
Miscibility with water:	Miscible
Viscosity	>20.5 mm <sup>2</sup> /s @ 40°C

Other information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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## 10. Stability and Reactivity

### Conditions to avoid

Avoid extreme temperatures. Avoid freezing. Avoid all sources of ignition: heat, sparks, open flame.

### Substances to avoid



Reactive chemicals, strong oxidizing agents

### **Hazardous reactions**

No hazardous reactions when stored and handled according to instructions.

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## **11. Toxicological Information**

### **Acute toxicity**

LD50 rat (oral): > 2,000 mg/kg

### **Irritation**

Primary skin irritation rabbit: Irritant

Primary irritations of the mucous membrane rabbit: Irritant

### **Respiratory/Skin Sensitisation**

Assessment of sensitisation:

There is no evidence of a skin-sensitizing potential.

### **Germ Cell Mutagenicity**

Assessment of mutagenicity:

No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Carcinogenicity**

Assessment of carcinogenicity:

The whole of the information assessable provides no indication of a carcinogenic effect.

### **Reproductive Toxicity**

Assessment of reproduction toxicity:

Contains a component that causes reproductive toxicity in test animals.

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## **12. Ecological Information**

### **Ecotoxicity**

Toxicity to fish:

LC50 > 100 mg/l, Fish

Aquatic invertebrates:

EC50 (96 h) > 100 mg/l, Daphnia

### **Mobility**

Assessment transport between environmental compartments:

Adsorption to soil phase is expected.

### **Persistence and Degradability**

Assessment biodegradation and elimination (H2O):

The polymer component of the product is poorly biodegradable.

### **Bioaccumulation Potential**

Assessment bioaccumulation potential:

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

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## 13. Disposal Considerations

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

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## 14. Transport Information

### Domestic Transport:

Not classified as a dangerous good under transport regulations

### Sea Transport

IMDG

Not classified as a dangerous good under transport regulations

### Air Transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

HSNO Approval Number: HSR002544

HSNO Controls: Refer to [www.epa.govt.nz](http://www.epa.govt.nz)

Additional registration status

AICS, AU released/listed

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## 16. Other Information

Recommended use: road compaction and cohesion stabilisation aid

Any other intended applications should be discussed with the manufacturer.

### Abbreviations

HSNO- Hazardous Substances and New Organisms Act

AICS – Australian Inventory of Chemical Substances

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods Code

ISO - International Organization for Standardization

PPE – Personal Protective Equipment

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*The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Global Road Technology.*